

**Notice of Allowability**

Application No.

10/033,582

Examiner

Sue Lao

Applicant(s)

ROSE ET AL.

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**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed 4/25/2005.
2. ☒ The allowed claim(s) is/are 1,2,4-8,10-20,22-31,33 and 36-55.
3. ☐ The drawings filed on \_\_\_\_\_ are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All   b) ☐ Some\*   c) ☐ None   of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

**80210**  
**PRIMARY EXAMINER**

### **DETAILED ACTION**

1. Claims 1-8, 10-20, 22-31, 33 and 36-56 are pending. This action is in response to the amendment filed 4/25/2005. Applicant has amended claims 1, 12-14, 19, 20, 22, 23, 33, canceled claims 9, 21, 32, 34, 35, and added claims 37-56.

#### **Examiner's Amendment**

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Michael J. Ferrazano, BEYER WEAVER & THOMAS, LLP on July 20, 2005.

3. The application has been amended as follows:

Cancel claims 3 and 56.

Claim 1, (1) line 4, delete "an" after "searching" and delete "a" after "and";  
(2) line 6, before "associating", insert -- ( c ) --, and change "," to " ;"  
at the end of the line;  
(3) line 8, delete "and";  
(4) line 10, replace "." with -- ; and --;  
(5) after line 10, insert -- , wherein the searching of the embedded  
array and cache begins from a location indicated by the requested  
supertype. -- .

Claim 22, (1) line 4, replace "means" with -- a processor -- ;

(2) line 6, after "corresponding to", insert -- a requested supertype or --, and after "object type", insert --, wherein the searching of the embedded array and cache begins from a location indicated by the requested supertype; -- ;

(3) line 7, insert ";" at the end of the line.

Claim 33, (1) line 5, after "corresponding to", insert -- a requested supertype or --, and after "object type", insert --, wherein the searching of the embedded array and cache begins from a location indicated by the requested supertype; -- ;

(2) line 12, after "computer readable", insert -- storage --.

Claim 36, lines 2-3, delete "a data signal embodied in a carrier wave,".

Claim 37, (1) line 5, delete "an" after "searching" and delete "a" after "and";

(2) line 6, after "object type", insert --, wherein the searching of the embedded array and cache begins from a location indicated by the requested supertype; -- ;

(3) line 7, change "," to ";" at the end of the line;

(4) line 12, after "computer readable", insert -- storage --.

Claim 53, line 1, change "claim 10" to -- claim 37 --.

### **Allowable Subject Matter**

4. Claims 1, 2, 4-8, 10-20, 22-31, 33 and 36-55 are allowed.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sue Lao whose telephone number is (571) 272-3764. A voice mail service is also available at this number. The examiner's supervisor, SPE

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Meng-Ai An, can be reached on (571) 272 3756. The examiner can normally be reached on Monday - Friday, from 9AM to 5PM. The fax phone number for the organization where this application or proceeding is assigned is (571) 273 8300.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (571) 272-2100.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

July 21, 2005



**SUE LAO**  
**PRIMARY EXAMINER**